

# BOA KIM

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## EDUCATION

### SEOUL NATIONAL UNIVERSITY

Seoul, Korea

*M.S. in Business Administration (Marketing Concentration), Cumulative GPA: 3.6/4.0*

Feb 2023

- **Relevant coursework:** Advanced Psychological Statistics, Marketing Research (R programming), Seminar in Quantitative Analysis
- **Thesis:** The Effects of Consumption of Cause-related Products on Status Inference Through Perceived Altruism and Moral Identity Symbolization (Multivariate Analysis and Mediation Analysis using PROCESS macro), Fall 2022
- **Honors:** Teaching Assistant Scholarship for 2 years

### MONTGOMERY COLLEGE

Rockville, MD

Dec 2021

- **Relevant Coursework(Prerequisites):** Calculus I, II, and III, Linear Algebra, Elements of Statistics, Intro to Programming (C++) , *Cumulative GPA: 4.0/4.0*
- **Programming Projects:** Absence counter, Hotel Revenue calculator, Age converter, Vending Machine
- **Honors:** Dean's List (Spring and Fall 2021)

### HANYANG UNIVERSITY

Seoul, Korea

*B.B.A in Business Administration and B.S in Clothing & Textiles, Cumulative GPA: 3.6/4.0*

Feb 2012

- **Relevant Coursework:** Basic Statistics, Management Information Systems, Calculus 1

## TECHNICAL SKILLS

- **Programming:** Javascript, C++, R, Python
- **Database:** SQL
- **Version Control:** Git, Github
- **Data Visualization:** Tableau Software, Power BI

## PROFESSIONAL EXPERIENCES

### FAMILY AND COSMETIC DENTISTRY- JASON YI DDS

Silver Spring, MD

*Data Administrator/Administrative Assistant*

2020 - Present

#### Revenue Cycle Optimization Using SQL & R: Statistical Data Analysis in Healthcare Administration

- Utilized SQL for data extraction and R for logistic regression analysis to identify demographic variables correlating with higher insurance claim denials.
- Redesigned the insurance verification process by integrating insights from data analysis, leading to a more efficient workflow.
- Employed time-series analysis to measure a 20% reduction in claim denials over six months, validating the effectiveness of the new process.

#### Dental Clinic Traffic Analysis and Resource Optimization Using SQL & R

- Leveraged SQL and R to perform descriptive statistical analysis on patient traffic data, identifying key patterns for peak operational times.
- Developed a logistic regression model to predict no-show probabilities, informing the establishment of a more effective cancellation policy.
- Utilized a before-and-after analysis in R to assess the 11% profit increase, highlighting the economic benefits of data-driven staffing and scheduling.

### GNOMON GROUP- OPERATIONAL STRATEGIC CONSULTING FIRM

Seoul, Korea

*Research Analyst*

2012- 2012

#### Workflow Efficiency Enhancement through Full-Time Equivalent (FTE) Modeling and Process Analysis

- Conducted detailed employee interviews to gather and organize workflow data, employing Excel for structured data compilation and initial analysis.
- Analyzed task distributions using Excel's pivot tables and descriptive statistics, reallocating responsibilities based on competency analysis to optimize workflow.
- Applied a paired t-test to measure a 27% increase in employee work efficiency, demonstrating the impact of strategic task reallocation and process innovation.

### STANDARD CHARTERED BANK

Seoul, Korea

*Credit Analyst Intern, Department of Credit Management*

2011 - 2011

- Analyzed financial statements and credit reports using advanced analytical techniques to evaluate borrowers' repayment abilities, ensuring informed loan approval decisions.
- Utilized SAP (ERP software) to meticulously maintain borrower interaction records, payment arrangements, and collection efforts, enhancing data accuracy and accessibility.
- Developed comprehensive reports for management on loan portfolio status and collection activities, leveraging data analytics to provide actionable insights for strategic decision-making.

## MISCELLANEOUS

- **Volunteer Experience:** Facilitated support groups for parents of children with autism in the Korean Immigrants Community (Tulane University's Social Work Department Program, from 2023 to the present)